CLAIMS

The invention is hereby claimed as follows:

5   1.   A gaming device comprising:

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display

device and a plurality of values associated with the inputs;

10   at least one set of values determined by the player's selection of the

inputs; and

at least one award generated by the processor by applying a Boolean

OR operator to the values of the set.

15   2.   The gaming device of Claim 1, wherein the Boolean OR operator

generates the largest value of the set.

3.   The gaming device of Claim 1, which includes a plurality of sets that

each yield an award by applying a Boolean OR operator to the sets and a

20   resulting award provided to the player generated by the processor by

performing at least one mathematical operation on the awards from the sets.

4.   The gaming device of Claim 1, which includes a plurality of sets that each yield an award by applying a Boolean OR operator to the sets and a resulting award provided to the player generated by applying at least one Boolean operator to the awards from the sets.

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5.   The gaming device of Claim 4, wherein the at least one Boolean operator applied to form the resulting award is selected from: OR and AND.

6.   A gaming device comprising:

10   a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the

15   inputs;

a plurality of awards generated by applying a Boolean OR operator to the values of said sets; and

a resulting award generated by the processor by performing at least one mathematical operation on the awards generated from the sets.

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7.   The gaming device of Claim 6, wherein the display device displays the inputs and reveals values associated with inputs that are not selected by the player.

8. A gaming device comprising:

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed by the display device to a

5   player and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the

inputs;

a plurality of awards generated by the processor by applying at least

one Boolean operator to the values of the sets; and

10   a resulting award generated by the processor by applying at least one

Boolean operator to the awards from the sets.

9. A gaming device comprising:

a display device;

15   a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display

device and a plurality of values associated with the inputs;

a plurality of sets of values determined by a player's selection of the

inputs; and

20   a plurality of awards generated by the processor by applying at least

one Boolean OR operator to the values selected from different sets.

10. The gaming device of Claim 9, wherein the Boolean OR operator

generates the largest value of the at least one set.

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11.   The gaming device of Claim 9, which includes a resulting award generated by performing at least one mathematical operation on the plurality of awards from the sets.

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12.   The gaming device of Claim 9, which includes a resulting award generated by applying at least one Boolean operator to the plurality of awards from the sets.

10   13.   The gaming device of Claim 12, wherein the at least one Boolean operator applied to form the resulting award is selected from: OR and AND.

14.   A gaming device comprising:

a display device;

15   a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the inputs;

20   a plurality of awards generated by the processor by applying at least one Boolean OR operator values selected from different sets; and

a resulting award generated by the processor by performing at least one mathematical operation to the plurality of awards from the sets.

15. A gaming device comprising:

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display

5 device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the

inputs;

a plurality of awards generated by the processor by applying at least

one Boolean operator to a plurality of values selected from different sets; and

10 a resulting award generated by the processor by applying at least one

Boolean operator to the plurality of awards from the sets.

16. A gaming device comprising:

a display device;

15 a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display

device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of said

inputs;

20 a plurality of awards generated by the processor by performing at least

one mathematical operation on the values of the sets; and

a resulting award generated by the processor by applying at least one

Boolean OR operator to the plurality of awards from the sets.

17.   The gaming device of Claim 16, wherein the Boolean OR operator generates the largest award from the sets.

18.   A gaming device comprising:

a display device;

a processor in communication with the display device;

a plurality of inputs adapted to be displayed to a player by the display device and a plurality of values associated with the inputs;

a plurality of sets of values determined by the player's selection of the inputs;

a plurality of awards generated by the processor by performing a plurality of mathematical operations on values selected from different sets; and

a resulting award generated by the processor by applying at least one Boolean OR operator to the plurality of awards.

19.   The gaming device of Claim 17, wherein the mathematical operations are selected from the group consisting of: addition, subtraction, multiplication and division.

20.   The gaming device of Claim 18, wherein the Boolean OR operator generates the largest award from the sets.

21.   A gaming device comprising:

a display device; and

a processor which communicates with the display device, the processor and the display device adapted to:

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   (a)   display a plurality of inputs;

   (b)   generate values when a player picks the inputs;

   (c)   display the values in at least one set of values; and

   (d)   generate an award by applying a Boolean OR operator to the values in the at least one set.

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22.   The gaming device of Claim 21, wherein the display device and the processor are adapted to apply the Boolean OR operator to the values and select the highest value.

23.   A gaming device comprising:

a display device; and

a processor adapted to communicate with the display device, the display device and the processor adapted to:

5   (a)   display a plurality of inputs;

         (b)   generate values when a player picks the inputs;

         (c)   display the values in a plurality of different sets of values;

         (d)   generate awards from the sets by performing at least one mathematical operation on values from the plurality of different

10   sets; and

         (e)   generate a resulting award by applying at least one Boolean operator, including a Boolean OR operator, to the awards from the plurality of different sets.

15   24.   The gaming device of Claim 23, wherein the display device and the processor are adapted to apply the Boolean OR operator to a plurality of the awards and select the highest award from the plurality of awards.

25.   A gaming device comprising:

a display device; and

a processor which communicates with the display device, the display device and the processor adapted to:

5   (a)   display a plurality of inputs;

(b)   generate values when a player picks the inputs;

(c)   display the values in a plurality of different sets of values;

(d)   generate awards from the sets by applying at least one Boolean operator to the values of the different sets, including a Boolean

10   OR operator; and

(e)   generate a resulting award by performing at least one mathematical operation on the awards from the plurality of different sets.

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